

Supplementary material:

Table 1: Projects undertaken using SSH-based method to identify novel genes in different species.

Species	Year	Genes	References
<i>Nicrophorus vespilloides</i> (burying beetle)	2011	1179	[4]
<i>Tribolium castaneum</i> (red flour beetle)	2008	75	[8]
<i>Sarcophaga crassipalpis</i> (flesh fly)	2010	97	[14]
<i>Blatella germanica</i> (German cockroach)	2009	258	[15]
<i>Bombyx mori</i> (silkworm)	2009	62	[10]
<i>Anopheles stephensi</i> (mosquito)	2009	32	[16]
<i>Lucilia sericata</i> (blow-fly)	2009	65	[13]
<i>Acyrtosiphon pisum</i> (pea aphid)	2008	35	[9]
<i>Eristalis tenax</i> (drone fly)	2007	30	[12]
<i>Aedes aegypti</i> (yellow fever mosquito)	2009	32	[17]
<i>Thermobia domestica</i> (Firebrat)	2007	26	[11]
<i>Manduca sexta</i> (tobacco hornworm)	2003	54	[18]
<i>Diuraphis noxia</i> (Russian wheat aphid)	2006	200	[19]
<i>Nilaparvata lugens</i> Stål (brown planthoppers)	2008	160	[20]